

IN THE CLAIMS

Please amend the claims as follows:

Claim 1-10 (Canceled)

Claim 11 (Previously Presented): A heat-transport device comprising:

a refrigerant;

an evaporator formed between a glass and a substrate;

a condenser formed between a glass and a substrate;

a liquid passage linking the evaporator and condenser configured to allow the refrigerant to flow from the condenser to the evaporator;

a gas passage linking the evaporator and condenser configured to allow the refrigerant to flow from the evaporator to the condenser; and

a wick being included in one of the evaporator, the condenser, the liquid passage, or the gas passage, wherein the glass and/or the substrate is covered with a stable material.

Claim 12 (Previously Presented): A heat-transport device according to Claim 11, wherein the substrate is Si.

Claim 13 (Previously Presented): A heat-transport device according to Claim 11, wherein the stable material is selected from the group consisting of SiO₂, SiN, SiC and combination thereof.

Claim 14 (Previously Presented): A heat-transport device according to Claim 11, wherein the refrigerant is a material including hydrogen.

Claim 15 (Previously Presented): A heat-transport device according to Claim 11, wherein the wick is covered with the stable material.

Claim 16 (Previously Presented): A heat-transport device according to Claim 11, the glass and the substrate is bonded by anodic bonding.

Claim 17 (Previously Presented): A method for manufacturing a heat-transport device, the method comprising:

forming an evaporator between a glass and a substrate;
forming a condenser between a glass and a substrate;
forming a liquid passage and a gas passage between the evaporator and condenser;
forming a wick being in one of the evaporator, the condenser, the liquid passage, or the gas passage; and
coating the glass and/or the substrate with a stable material.

Claim 18 (Previously Presented): The method of Claim 17, wherein the substrate is Si.

Claim 19 (Previously Presented): The method of Claim 17, wherein the stable material used to coat the glass and/or substrate is selected from the group consisting of SiO₂, SiN, SiC and combination thereof.

Claim 20 (Previously Presented): The method of Claim 17, wherein the refrigerant is a material including hydrogen atom.

Claim 21 (Previously Presented): The method of Claim 17, wherein the wick is covered with the stable material.

Claim 22 (Previously Presented): A method of Claim 17, wherein the glass and the substrate are bonded by anodic bonding.

Claim 23 (New): The heat-transport device according to Claim 11, wherein the stable material is formed by at least one of nitriding, oxidation and carbonization of at least one of the wick, the glass and the substrate.

Claim 24 (New): The method of Claim 17, wherein the coating includes at least one of nitriding, oxidation and carbonization.

Claim 25 (New): The heat-transport device according to Claim 11, wherein the wick is ion implanted.

Claim 26 (New): The method of Claim 17, further comprising:
coating the wick by ion implantation.

Claim 27 (New): The heat-transport device according to Claim 11, wherein the wick is in the form of at least one of grooves, a screen and a sintered metal.

Claim 28 (New): The method of Claim 17, wherein the wick is in the form of at least one of grooves, a screen and a sintered metal.

Claim 29 (New): The heat-transport device according to Claim 11, wherein the refrigerant is at least one selected from the group consisting of water, ethyl alcohol, methyl alcohol, propyl alcohol, ethyl ether, ethylene glycol, Fluorinert and ammonia.

Claim 30 (New): The method of Claim 17, wherein the coating comprises dry etching to form grooves or asperities; then

surface treating by at least one of ion implantation, thermal oxidation and steam oxidation; then

polishing by dry etching or plasma treatment; then

polishing by dry etching including covering with a mask an ion implantation; then

forming a thin film by vapor deposition; then

anodic bonding.

Claim 31 (New): The heat-transport device of Claim 11, wherein the stable material is in contact with at least one of the glass and the substrate.

Claim 32 (New): The heat-transport device of Claim 11, wherein the stable material is between the glass and the refrigerant.

Claim 33 (New): The heat-transport device of Claim 11, wherein the stable material is present only on the a surface of the wick.

Claim 34 (New): The method of Claim 17, wherein the coating coats the stable material directly on at least one of the glass and the substrate.

Claim 35 (New): The heat-transport device of Claim 11, wherein the stable material is between the glass and the refrigerant; and

the stable material is at least one of SiO_2 , SiN, and SiC.

BASIS FOR THE AMENDMENT

Claims 11-35 are active in the present application. Claims 11-22 are previously presented claims. Support for new Claims 23 and 24 is found on page 3, last full paragraph. Support for new Claims 25 and 26 is found on page 5, last sentence of first full paragraph. Support for new Claims 27 and 28 is found in the second sentence of the paragraph bridging pages 6 and 7. Support for new Claim 29 is found in the third full paragraph on page 7. Support for new Claim 30 is found on page 12 beginning at line 12 through page 14, line 4. Support for new Claim 33 is found on page 13. Support for new Claims 31-32 and 34-35 is found in original Claim 13 and in the figures. No new matter is added.